

A CERAMIC DEVICE, SENSOR, METHOD OF MAKING THE SAME, AND  
METHOD FOR SENSING GAS

ABSTRACT

A sensor may comprise a first electrode and a second electrode in mutual ionic communication with an electrolyte, a first socket disposed near a rear portion of a sensor element, a first lead disposed in electrical communication with the first electrode and in physical contact with the first socket and configured for electrical communication with a first terminal element, a second socket disposed near the rear portion of the sensor element, and a second lead disposed in electrical communication with the second electrode and in physical contact with the second socket and configured for electrical communication with a second terminal element. The first socket is disposed through at least one of an edge and an end of the sensor element, and the second socket is disposed through at least one of the edge and the end of the sensor element.